

CLAIMS

1. An eyesight improving device comprising:

an eyepiece part;

5 a target visually seen from the eyepiece part and capable of displaying a suitable figure;

target movement device which moves the target at a suitable speed between a far point and a near point each of which is positioned at a specified distance from the eyepiece part; and

10 display control device which changes a size of the figure displayed on the target in proportion to a distance between the target and the eyepiece part.

2. An eyesight improving device according to claim 1, two such eyepiece parts are provided, and blocking device which blocks visual identification of the target is provided for each of them.

3. An eyesight improving device according to claim 1 or 2, the target includes electric display which displays the figure visually seen from the eyepiece part.

4. An eyesight improving device according to any one of claims 1 to 3, the target movement device moves the target by driving device.

25

5. An eyesight improving device according to claim 4, the driving device can change the movement speed of the target

stepwise.

6. An eyesight improving device according to claim 4, the  
driving device can change the movement speed of the target  
5 continuously.

7. An eyesight improving device according to any one of  
claims 1 to 6, the eyepiece part includes a convex lens.

10 8. An eyesight improving device according to any one of  
claims 1 to 6, the target is directed in the same direction as  
the eyepiece part;

reflecting device which faces the target and the eyepiece  
part and reflecting device movement device which moves the  
15 reflecting device at a suitable speed between two specified points,  
instead of the target movement device, are provided; and

light from the target is reflected by the reflecting device  
and is incident on the eyepiece part.

9. An eyesight improving device, comprising:  
20 electric display which can display a suitable figure;  
distance measurement device which measures a distance from  
a user; and

display control device which changes a size of the figure  
displayed on the electric display in proportion to the distance  
25 from the user.

10. An eyesight improving device according to any one of

claims 1 to 9, the figure is displayed in one of red, green and blue, and a background of the figure is black.

11. An eyesight improving device according to any one of  
5 claims 1 to 9, the figure is ring-shaped.

12. An eyesight improving device according to any one of  
claims 1 to 9, the figure has such a size that when a distance  
from the eyepiece part is 25 cm, a maximum diameter is 1 cm or  
10 less.

13. An eyesight improving device according to claim 12, the  
figure has a shape of a capital G in alphabet.

15 14. An eyesight improving device according to any one of  
claims 11 to 13, the figure is displayed in white, and a background  
of the figure is black.